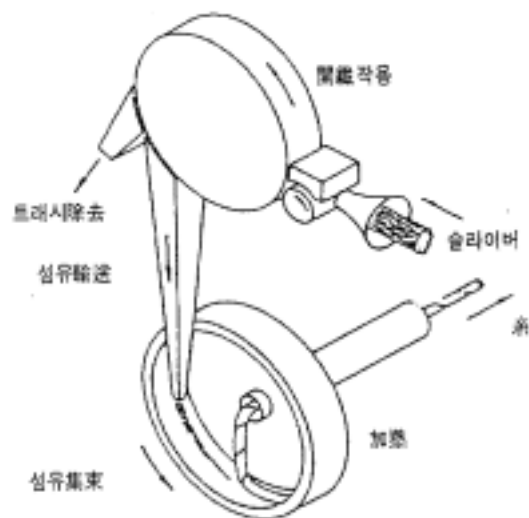
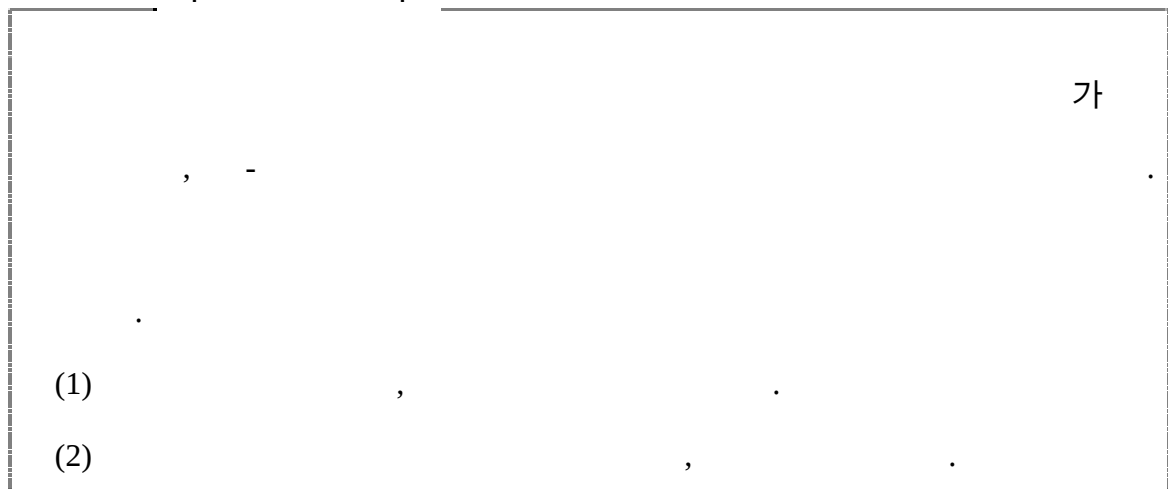


(4)

- (2) -

3.3



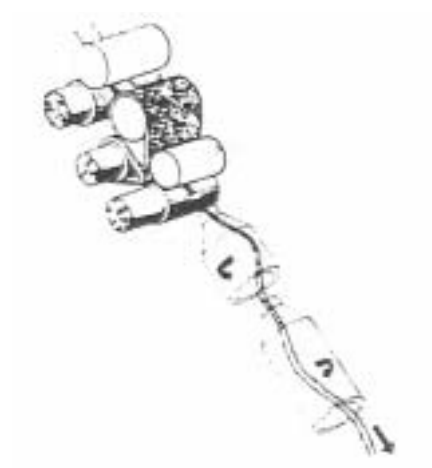
< 3.6> rotor open end

(1) rotor open end

(2) Jet spinner

(air jet)

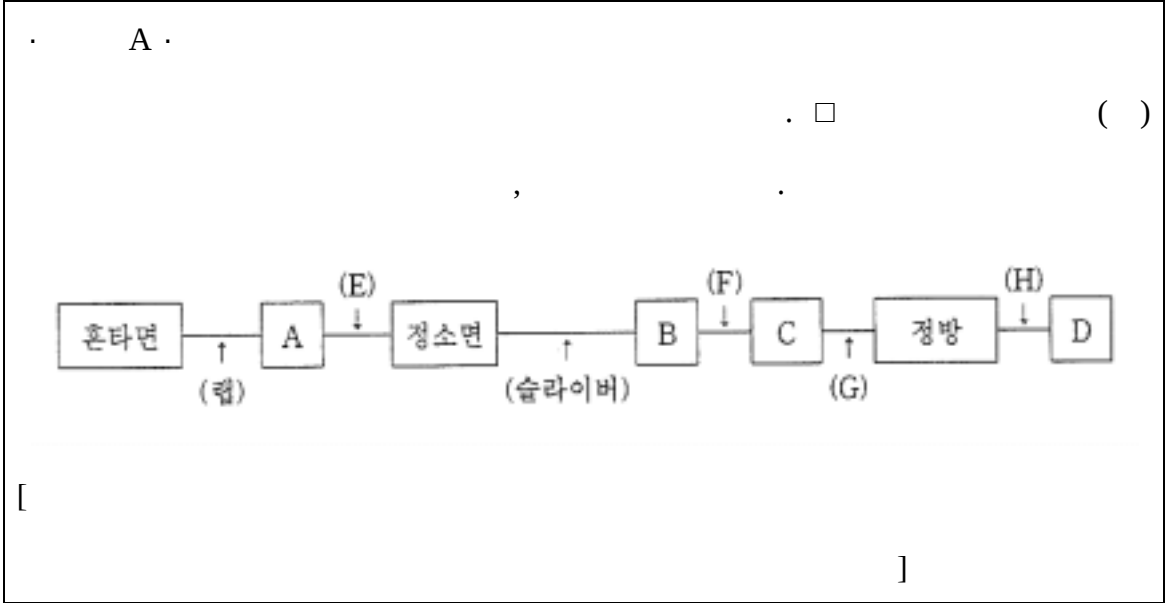
.(가 .)



< 3.7> Jet spinner

< 3.2>

		가	
Ring			
Rotor			
Jet spinner			가



[] A - B - C - D - E - F - G - H -

- A ·
- , × ·
- (1) 1 ·
- (2) , ·
- (3) (twist) ·
- (4) , ·
-
- (5) ·

[] (1) ○

(2) ×

(3) × 가 ·

(4) ○ · ·

(5) ○ ,

·

· A ·

A B 가 , .

A () B ()

(1) 1 1 .

(2) .

(3) .

(4) , .

(5) , .

[] (1) - (2) - (3) - (4) - (5) -

· B ·

○, × .

(1) , .

(2) , .

(3) 가 .

(4) 1 1 가 .

(5) 1 1 .

[] (1) × doubling ,

(2) × draft ,

(3) ○ traveler 1 1 twist가 가 .

(4) ○

(5) × 1 1 carding .

· B ·

 () ,

(1) ,

· 1 1 (A) ,

· (B) ,

· (E), .

[가

]

(2) , (A) (B) .

 (C), (D)

·

[]

(3) , (A) ,

(B) 가 (C) .

(D) , (E)

, 1 1 (F) .

[가 1

]

(4) , (A) , (B)

· (C) , ,

(D) .

[]

[]

	A	B	C	D	E	F
(1)						
(2)						
(3)						
(4)						